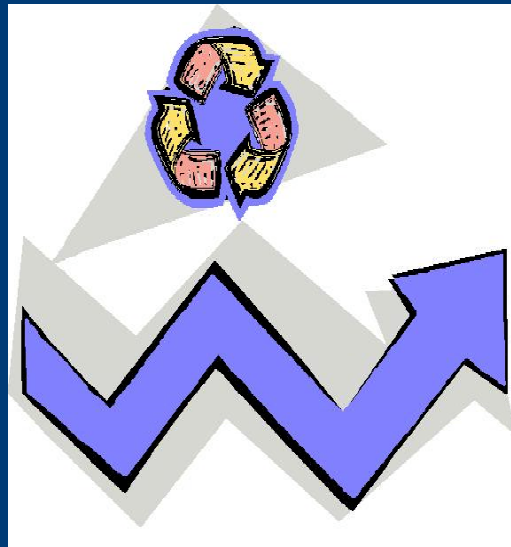


Solid Waste Management Planning in New Jersey



Our Past...



Our Present...

Our Hope for the Future...









State Demographics

- Most densely populated state with 1,179 persons/square mile
- Population (2000) - 8.4 million people
- Anticipated population (2025) is 9.5 million people
- In 2003, NJ residents generated 5.48 lbs./person/day of solid waste



The Problem

- Solid waste generation has been increasing steadily in recent years
- In 2003, New Jersey generated ***19 million tons*** of solid waste



This is enough uncompacted solid waste to fill
Giants Stadium 6 times



Solid Waste Management

- 578 landfills in NJ
 - 12 in operation - the rest are closed
- Landfills manage 42% of NJ waste
- Incinerators manage 17% of NJ waste
- The remainder (41%) is transported out of state

A green outline map of the state of New Jersey is centered on a dark blue background. The map is oriented vertically with the top of the state at the top. The word "DRAFT" is written in white serif font across the upper portion of the map. The year "2005" is written in white serif font across the lower portion of the map. The title "New Jersey Statewide Solid Waste Management Plan" is written in white serif font across the middle of the map.

DRAFT

**New Jersey Statewide Solid
Waste Management Plan**

2005



Background

- ***Solid Waste Management Act*** passed in 1970 (N.J.S.A. 13:1E-1 et seq.)
- Created solid waste management districts
- Required development of county SWM plans
- ***Recycling Act*** passed in 1987 (N.J.S.A. 13:1E-99.11 et seq.)
- Statewide recycling goals:
 - 50% MSW, 60% TSW by 1996



State Plan Basics

Solid Waste Hierarchy

- + Education and outreach programs
 - + Improved enforcement & compliance assistance
-

- = Effective/efficient management of NJ's solid waste!
- = Statewide compliance with recycling mandates!



SWM Plan Elements

- Holistic approach to solid waste management (SWM)
- Promote “sustainable landfills”
- Ensure proper closure of all landfills; encourage appropriate brownfields redevelopment
 - Including opportunities for open space and recreational use



SWM Plan Elements

- Decrease mercury contamination & reduce mercury emissions
- Scrap tire management - funding through P.L. 2004, c. 46
- Updated sewage sludge strategy to include alternate uses



“Recommended” Legislative Initiatives

- Establish a Waste Generation Surcharge to provide dedicated source of funding
- Reduce/eliminate nonessential uses of mercury
- Adopt updates to Toxics in Packaging Reduction Act
- Require financing, collection and recycling plans from manufacturers for consumer electronics recycling



Counties, Municipalities and NJDEP Joint Responsibilities

■ Collaborative Discussion

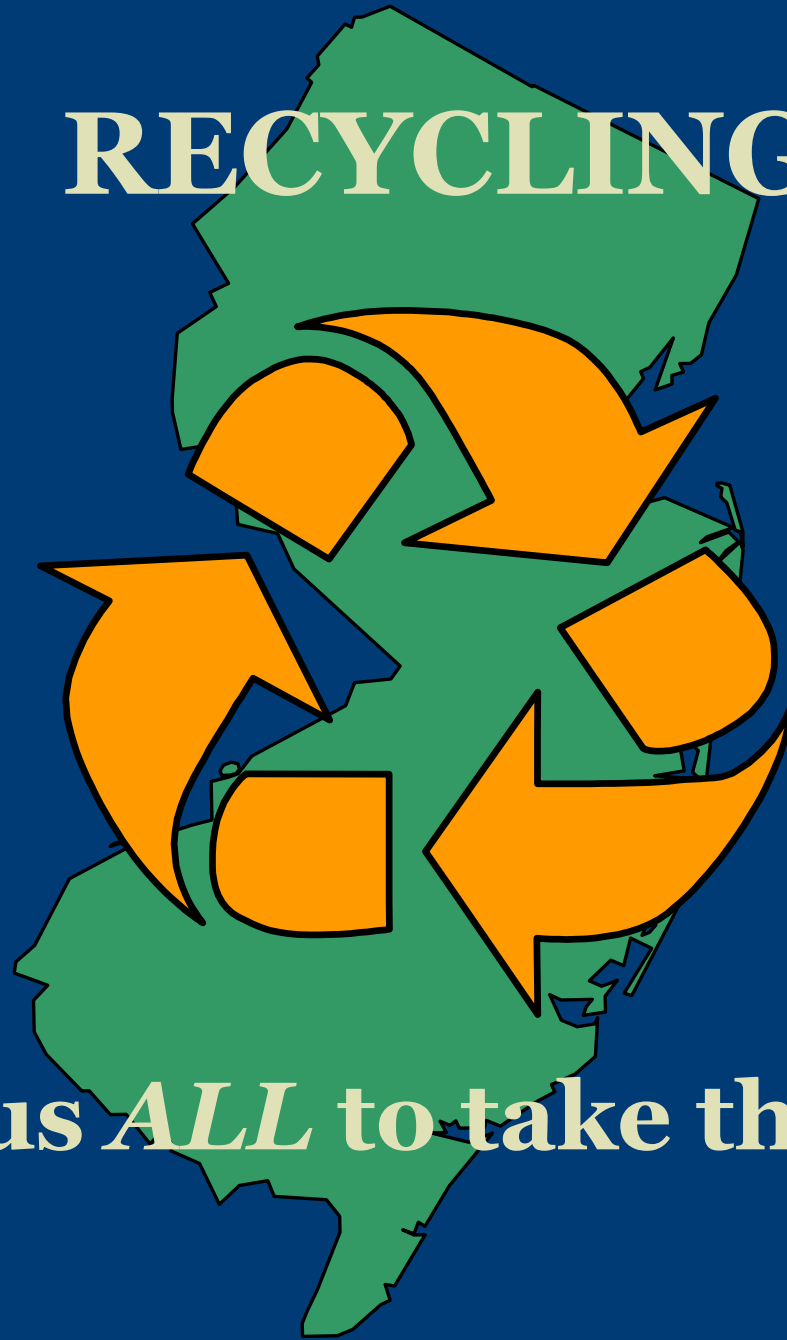
- Address future disposal issues due to increasing solid waste generation trends and/or catastrophic events

■ Capacity analysis after loss of waste flow

■ Educate, Educate, Educate...

- on every individual's need to actively participate in waste minimization and recycling

RECYCLING



Time for us *ALL* to take the next step!



Recycling Snapshot

- Recycling all-time highs:
 - 1995 - 45% MSW
 - 1997 - 61% TSW
- 2003 Recycling rate:
 - 33% MSW, 52% TSW
- *Decrease of 27% MSW (1995-2003)*

LET'S REINVIGORATE RECYCLING!

Why did our rate decrease?



- Lack of local enforcement
- Loss of dedicated funding
- Lack of repeated outreach and education
- Increased away-from-home consumption
- Changing composition of waste
- Loss of flow control; lower disposal fees

The Shortfall

- To reach our 50% MSW recycling goal:
 - 1,700,000 additional tons MSW must be recycled
(based on 2003 data)



Lighten the Load!



**If we don't recycle
1,700,000 tons, its
disposal will require:**

**3.5
incinerators**



OR ...



4.5 landfills



Environmental Benefits of Recycling in NJ (2003)

■ Conserves Natural Resources

- Over 3 million tons of iron, coal, and limestone saved by recycling scrap metal
- 9.6 million trees saved as a result of paper recycling programs



Environmental Benefits of Recycling in NJ (2003)

■ Conserves Energy

- 86 trillion BTU's saved = 700 million gallons of gas

■ Reduces air and water pollution

- Emissions reductions equivalent to 134,970 metric tons air and water pollutants
- Green House Gas emissions associated with global warming greatly reduced

Economic Benefits of Recycling in NJ (2003)



- Well-developed industry in NJ
- 27,000+ jobs and 2,000+ businesses
 - At 50% MSW, an additional 7,000 jobs would be generated
- Over \$5.9 billion in annual sales
 - Even higher in 2005 due to increased scrap metal values



NJDEP Recycling Initiatives

- Promote Source Reduction and Pay-As-You-Throw (PAYT)
 - If available, provide startup funding to local governments implementing PAYT
- Conduct “Enforcement Sweeps” to ensure mandatory recycling requirements are being met



NJDEP Recycling Initiatives

- Training programs with the NJ Association of School Business Administrators
- NJ Transit recycling participation and compliance
- Status of recycling at NJ colleges & universities, as per Green House Gas reduction MOU



NJDEP Recycling Initiatives

■ Solid Waste Services Tax

- Consider withholding funds from non-performing counties
- Consider withholding other environmental funding (i.e. Green Acres)



NJDEP Recycling Initiatives

- Assist with training for cost-effective local education/outreach programs
- Multi-faceted statewide communications and outreach campaign
 - County-hosted forums (such as today's)
 - Focus on small businesses and multi-family housing
 - Multilingual materials
 - Add additional phases if stable funding source established



NJDEP Recycling Initiatives

- Continue to address recycling at public places, specifically single-serve beverage containers
 - Utilize Cumberland Farms leadership
 - Focus on fitness centers, athletic complexes, public parks
- Develop waste audit educational program for business; post on web



NJDEP Recycling Initiatives

- Regulatory reform - reconcile outdated regulatory structure with the changing SW market; consider phase-out of tipping fee regulation
- SW capacity planning as it relates to NJ air emissions and traffic congestion
- Consider the emerging problem of rail transfer facilities and environmental protection



County Recycling Initiatives

- Update county SWM plans to include additional mandated recyclables
- Develop education and enforcement plans
 - Focus on small business, multifamily housing, schools and recreational complexes
- Encourage Source Reduction
 - Promote home composting and PAYT
 - Promote onsite food waste composting at institutions



Municipal Recycling Initiatives

- With DCA, revise master plans
 - Provisions for recycling at new strip malls, offices, schools, multifamily housing and recreational complexes
- Update local ordinances to reflect County Plans
- Develop education and enforcement plans
 - Focus on small businesses, multifamily housing and schools

Linden looks to lose some (trash)

Workers hit streets to keep recyclables out of dump

weight



PHOTOS BY PATTI SAPONE/THE STAR-LEDGER

Inspector Laura Sasarak places a warning sticker on a bag of trash to notify the residents they have violated the recycling law.











What YOU Can Do

- ✓ Purchase items in bulk and in recyclable packaging
- ✓ Avoid products in hard-to-recycle packaging
- ✓ Make two-sided copies, save scrap paper for notes
- ✓ Bring canvas bags to the grocery store
- ✓ Stop Junk Mail at www.the-dma.org
- ✓ Use durable products designed for multiple uses
- ✓ Bring a travel coffee mug with you instead of using disposable ones --- and get discounts!
- ✓ Know what materials are recyclable where you live
- ✓ Start a compost pile, mulch your lawn clippings
- ✓ Bring recyclables home if you don't see recycling bins
- ✓ Volunteer at cleanup events and plantings with Clean Communities and other groups



We Want Your Input

- Written and e-mail comments may be submitted by **July 15, 2005** to:

Robert Goodwin

Division of Solid and Hazardous Waste

Bureau of Recycling and Planning

401 East State Street

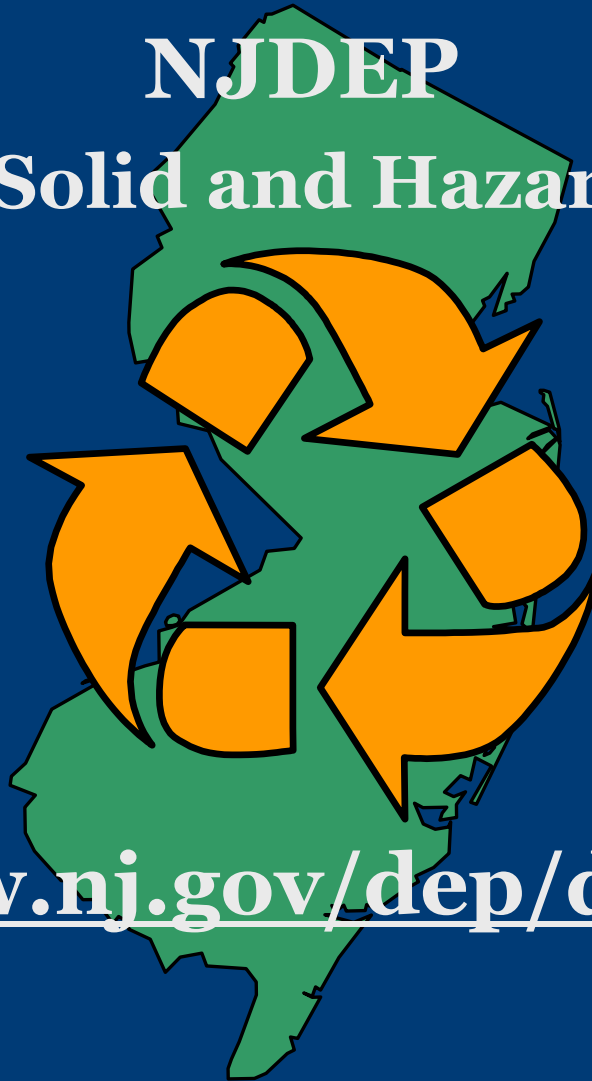
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Thank You!

NJDEP
Division of Solid and Hazardous Waste



www.nj.gov/dep/dshw